查询SER2LBK7.62RDEEBRN供应商

# DIGITAST
# Microminiature SPDT, Key Switches

## Features/Benefits

- *High reliability/long life*
- *Designed for low level switching*
- *Ready to implement on PCB*
- *Latching function available*
- *Several button options*
- *RoHS compliant and compatible*

## Typical Applications

- *Medical*
- *Instrumentation*
- *Industrial electronics*
- *Audio electronics*

## Construction

FUNCTION: momentary or push-push
CONTACT ARRANGEMENT: 1 change over contact SPDT, NO
MODE OF SWITCHING: Non-shorting
DISTANCE BETWEEN BUTTON CENTERS:
HORIZONTAL MINIMUM: 12,7 (0.500) or 17,78 (0.700)
VERTICAL MINIMUM: 17,78 (0.700)
TERMINALS: PC pins
MOUNTING: Soldering, centering pins

## Mechanical

TOTAL TRAVEL: ≤ 3 (.0018)
SWITCHING TRAVEL: 1,5 (0.0591)
LATCHING TRAVEL: 1,8 (0.0709)
OPERATING FORCE: 1.5 +/- 0.5 N (150 +/- 50 grams)

## Process

SOLDERABILITY: Max. soldering time and temperature: 5 s at 260°C

## Electrical

SWITCHING POWER MAX.: 240 mW DC
SWITCHING VOLTAGE MAX.: 24 V DC
SWITCHING CURRENT MAX.: 10 mA DC
CARRYING CURRENT AT 20°C (push-push version): 100 mA
DIELECTRIC STRENGTH (50 Hz, 1 min): 500 V
OPERATING LIFE with or without max. switching power
Momentary: ≥ 5 x $10^6$ operations
Push-push: ≥ 5 x $10^5$ operations
CONTACT RESISTANCE: Initial ≤ 50 mΩ
After 5 x $10^6$ operations: ≤ 100 mΩ
INSULATION RESISTANCE: ≥ $10^{10}$ Ω
CAPACITANCE at f= 10 kHz: ≤ 0.8pF
BOUNCE TIME: ≤ 2.5 ms
Operating speed 400 mm/s (15.75/s)

## Environmental

OPERATING TEMPERATURE: -25°C to 85°C.

## How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

### Switch

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | A | U | | | | |

**Series**
SER Narrow button
SET Wide button
SERU Switch body only (no button)

**LED**
NONE No LED
L 1 LED
2L 2 LED's

**Button Color****
None (SERU)
BK Black
GY Gray

**1st LED Color**
NONE No LED
RD Red
YE Yellow
GN Green

**LED Spacing***
NONE Narrow LED Spacing (TYP Europe)
7.62 Wide LED Spacing (TYP No. America)

**2nd LED Color**
NONE No LED
RD Red
YE Yellow
GN Green

**Contact Material**
AU Gold

**Function**
EE Latching
OA Non-latching

**Body Color**
NONE White (STD)
BRN Brown

* LED spacing only applies when 1 LED requested

### Button

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | K | | | | | | | | | | | |

**Button Style**
SR Narrow
ST Wide

**LED Holes**
NONE No LED holes
L 1 LED hole
2L 2 LED holes

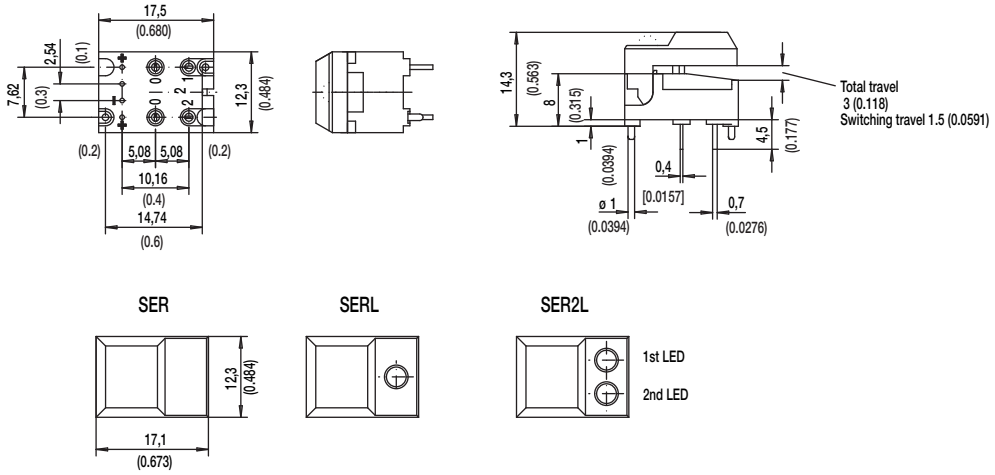
**Button Color****
BK Black
GY Gray

**Latching**
None For use with momentary switch
EE With "EE" staple for latching

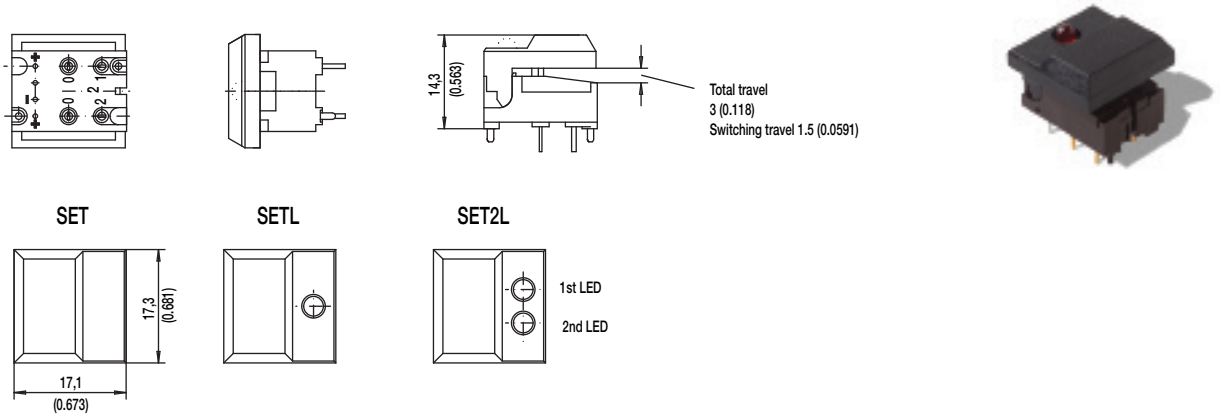
** Additional button colors available by request

## DESIGNATION

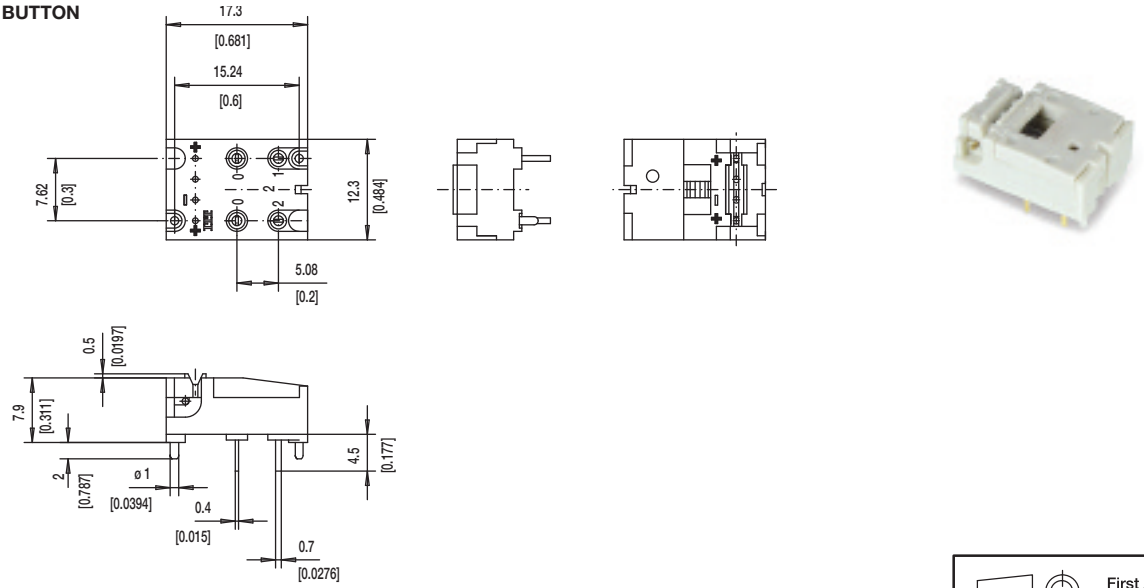
### SER NARROW BUTTON




### SET WIDE BUTTON




### SERU NO BUTTON






First Angle Projection

*Dimensions are shown: mm (inch)*
*Specifications and dimensions subject to change*

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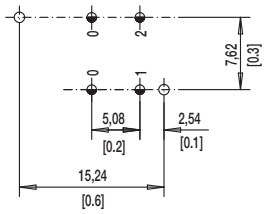
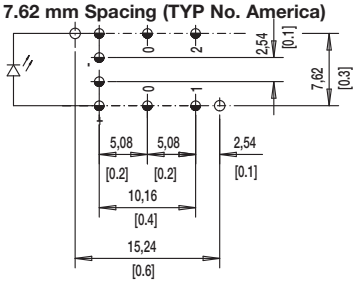
## LED

**NONE** NO LED

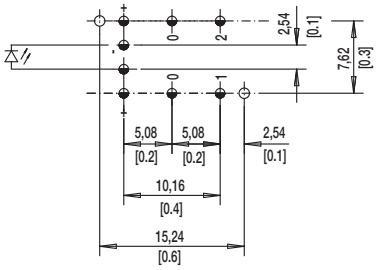



**L** 1 LEDs

7.62 mm Spacing (TYP No. America)

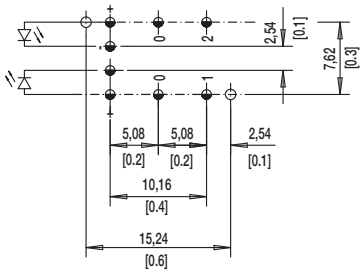



NARROW SPACING (TYP EUROPE)




TOP VIEW OF PCB

**2L** 2 LEDs




ø 1.0±0.1 (0.0394±0.00349)

ø 1.1±0.05 (0.0433±0.00197)

## BUTTON COLOR

**BK** BLACK

**GY** GRAY

Other button colors available by request [red (RD), green (GN), white (WH), yellow (YE) , blue (BU) , orange (OG)].

## LED COLOR

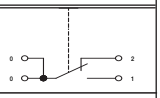
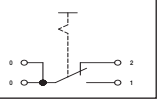
| OPTION CODE | COLOR |
|---|---|
| NONE | Models without LED |
| RD | Red |
| GN | Green |
| YE | Yellow |

## CONTACT MATERIAL

| OPTION CODE | MATERIAL |
|---|---|
| AU | Gold |

**NOTE:** For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

## FUNCTION

| OPTION CODE | COLOR | SCHEMATIC |
|---|---|---|
| OA | Momentary |  |
| EE | Push-Push |  |

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